No. of Lot

## Date: Experiment No. 5. Aim: - Build simple network topology & configure it for dynamic routing Theory: - Routing Information Protocol (RIP) RIP is dynamic routing protocol that uses hap count as routing metric to find best path between source & destination network. It is a distance vector routing protocol that has on AB value of 120 & works on the network layer of OST model, RIP USES port Number 520. Features of RTP-1. updates of network are exchanged periodically. 2. Updates are always broad cast. 3. Full routing tables are sent in updates 4. Routes always trust routing info. recieved from neighbour router. This AKA as routing rymours Procedure: 1. Open Cisco Packet Tracer. 2. Brag & Drop devices - Drag & Drop two Cisco 2911 Youters, cisco 2960 Switches 4 3 PC's onto workspace 3. Connect Routers - Connect two Youters Using Ethernet cables. You Can Gigabit Ethernet in faces for this purpose

	Date:
	4. Connect
	4. Connect Switches: - Connect each Youter to Cisco 2960 Switches - Using Ethernet Cables.
	enher wing the
	Switch - connect each Cisco
	6. Configure IP Address: - Configure IP add on router in a surprested to switches
	on Youter interfaces connected to switches
	& the Pc interfaces.
	R, - 192.168.1.1/24
	R, - 192 1/24
	P2-192-168-1-21
	1/2.1hV 2 2 / 2/
	TI can be engote is
	TOTOCOL ON last xouters.
	Router 1 - Enter alphal (ontiguition
	& type fronter rip: Then connect and
	METWOYK Statement for connected interface
	network 192.168.1.0. & network 192.168.2.0.
	network 1912 16 192 168 19
	8. Test Connectivity
	V POS COMMETENTE
e!	
	Conclusion: - Implemented Dynamic Youting
	Successfully,
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